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2 Abstract of the Disclosure
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4 A code division multiple access (CDMA) communication
5 system using spread spectrum signaling over a communication
6 bandwidth uses two different signal spectra generated using two
7 different respective spreading code formats, such as NRZ code
8 formatting and staggered Manchester code formatting, for
9 respectively providing nonsplit spectra having a center peak
10 and split spectra having a center null. The spectra are
11 combined during transmission as a CDMA communication signal
12 having a composite spectrum. The use of different code formats
13 produces the composite spectrum of respective center peak and
14 center null spectra that enables increased channel capacity.
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